

SUPERSTARS III

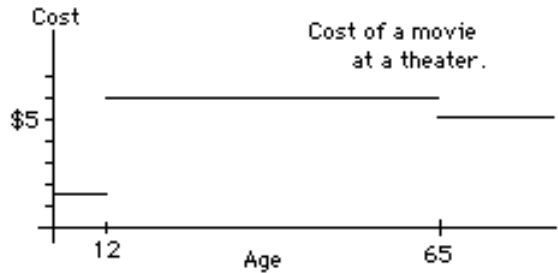
Uranus, XV

Name: _____

(This shows my own thinking.)

★★★1. Answer these questions about the graph.

- a. How much does it cost for a 5-year old to go to a movie? _____
- b. How much does it cost a 15-year old to go to a movie? _____
- c. How much does it cost a senior citizen to go to a movie? _____
- d. How much would it cost for a father and his 8-year old twins to go to a movie? _____



★★2. Karen has 20 coins worth \$1.35. The coins are all nickels and dimes. How many of each coin does she have?

Answer: _____ nickels

_____ dimes

★★★3. Five campers agreed to “share the lookout” one night. They divided the time between bedtime (9:00 PM) and sunrise (5:30 AM) into five equal time intervals. Give the resulting times below.

1st watch: 9:00 PM until _____

4th watch: _____ until _____

2nd watch: _____ until _____

5th watch: _____ until _____

3rd watch: _____ until _____

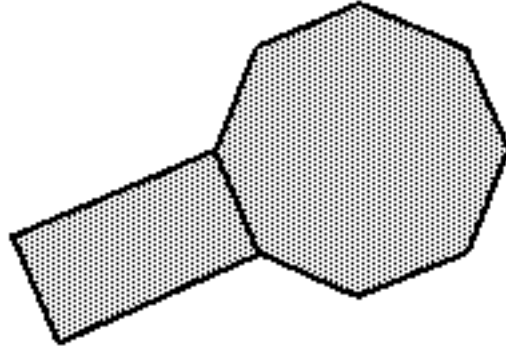
★4. The students at Harry’s school are going to take a field trip. There are 487 students and 45 can ride on each bus. How many buses are needed for the field trip? Circle your answer.

a) 12 buses

b) 10 buses

c) 11 buses

- ★★★★5. A rectangle and a regular octagon share a common side. If the length of the rectangle is twice its width and the perimeter is 36 cm, what is the perimeter of the octagon?



Answer: _____ cm

- ★★6. Marcus has 3 red marbles, 9 white marbles, and 4 green marbles. He wants to divide all the marbles evenly into two jars, but he only wants two colors in each jar. How can they be divided?

Answer: _____

- ★★★★7. The graph below shows the balance in Jeremy's savings account for 1995.

a. What was happening to Jeremy's account during the spring months?

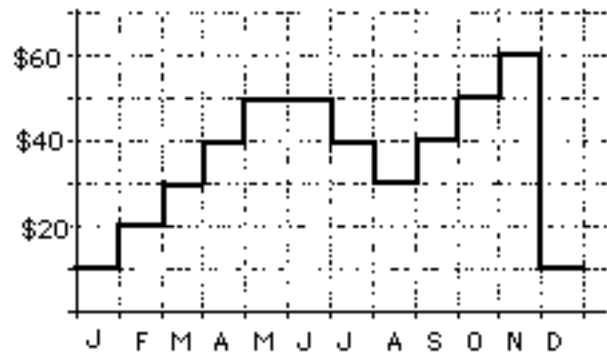
answer: _____

b. What are two months when the savings dropped by \$10 at the end of the month?

answer: _____ and _____

c. Between what two months did the biggest change occur?

answer: _____ and _____



- ★★8. Larry's ice cream shop has chocolate macadamia nut ice cream, rocky road ice cream, and strawberry cheesecake ice cream. They also have sugar cones and waffle cones. How many different double-dip ice cream cone combinations can they make from these selections?

Answer: _____